

## Arlington River Dredge Location Map

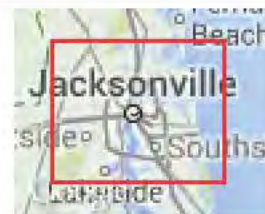
Project Location



0 2 4 6km

Date Printed: 08.11.2014

Map Scale: 1:216672







GENERAL NOTES AND SPECIFICATIONS

NOTES PART 1 AND PART 3 ARE REFERENCED FROM THE FLORIDA FISH AND WILDLIFE "TECHNICAL SPECIFICATIONS FOR THE INSTALLATION, REPAIR, AND REMOVAL OF UNIFORM WATERWAY MARKERS AND RELATED SERVICES" 02483-BUOYS

PART 1 - GENERAL

1.01 DESCRIPTION

THE FOLLOWING TECHNICAL SPECIFICATIONS COVER THE INSTALLATION, REPAIR, AND REMOVAL OF BUOYS. WORK UNDER THIS CONTRACT WILL BE LIMITED TO THE SPECIFIC MARKERS SHOWN ON THE ATTACHED PLANS OR CONTRACT ADDENDA OR CHANGE ORDERS.

1.04 WARRANTIES

ALL MATERIALS UTILIZED SHALL BE ABLE TO WITHSTAND THE ELEMENTS UNDER OUTDOOR MARINE CONDITIONS FOR A CONTINUOUS PERIOD OF NOT LESS THAN FIVE (5) YEARS.

1.05 RELATED WORK

THE OWNER/ENGINEER MAY REQUIRE ADDITIONAL INSTALLATION PROJECTS, NEEDED REPAIRS, AND/OR DISPOSALS DURING THE CONTRACT PERIOD. ANY ADDITIONAL WORK SHALL BE COMPLETED AT THE UNIT PRICES ESTABLISHED IN THE SCHEDULE OF VALUES OR AS OTHERWISE MUTUALLY AGREED TO IN WRITING. ONLY ADDITIONAL INSTALLATIONS, REPAIRS, AND/OR DISPOSALS REQUESTED IN WRITING BY THE OWNER/ENGINEER WILL BE AUTHORIZED FOR PAYMENT.

1.06 MODIFICATIONS

ANY MODIFICATIONS OR DEVIATIONS FROM THE ORIGINAL WORK PLAN, WRITTEN, OR DETAILED TECHNICAL SPECIFICATIONS MUST BE PRE-APPROVED PRIOR TO CONSTRUCTION BY THE OWNER/ENGINEER.

PART 3 - EXECUTION

3.01 INSTALLATION / APPLICATION / ERECTION

ALL BUOYS SHALL CONFORM TO THE FLORIDA UNIFORM WATERWAY MARKING SYSTEM IN ACCORDANCE WITH FLORIDA STATUTES 327.40(1). CONTRACTOR MUST PROVIDE PROOF TO THE OWNER/ENGINEER THAT THE COMPANY USED TO PROVIDE ANY BUOY OR ANCHOR SERVICE HAS THEIR COMMERCIAL DIVING CERTIFICATIONS THAT MEET OSHA AND UNITED STATES COAST GUARD REQUIREMENTS.

3.01.1 MOORING SYSTEMS

GALVANIZED AND STAINLESS STEEL PARTS CANNOT BE INTERCHANGED.

3.01.1.1 TRADITIONAL BUOY MOORING SYSTEM

A MINIMUM OF TWO (2) CLAMPS WILL BE USED AT EACH ANCHOR POINT. TOTAL CHAIN LENGTH SHALL BE LEFT TO CONTRACTOR'S DISCRETION TO ENSURE THAT TIDAL FLUCTUATIONS DO NOT FATIGUE THE CHAIN. THE CONTRACTOR SHALL UTILIZE ALL NECESSARY STAINLESS STEEL HARDWARE FOR SALTWATER OR FRESHWATER INSTALLATION. THE CHAIN SHALL NOT BE INSULATED/ENCASED WITH A PLASTIC COATING. TO REDUCE FRICTION, BLUE (GOODYEAR) PLIOVIC HOSE OR EQUIVALENT SHALL BE USED TO COVER THE CHAIN AND THE ANCHOR AND BUOY CONNECTIONS.

ADDITIONAL NOTES

SPECIFICATIONS

THE CONTRACTOR SHALL COMPLETE ALL CONSTRUCTION IN ACCORDANCE WITH THE WATERWAY MARKER PLANS AND SPECIFICATIONS PROVIDED.  
THE CONTRACTOR WILL VERIFY THAT BUOYS HAVE BEEN DELIVERED IN GOOD CONDITION, ARE THE CORRECT SIZE, CONTAIN THE CORRECT LETTERING AND FLASHING PATTERNS AS IDENTIFIED ON THE CHANNEL MARKER LOCATION PLAN AND THE CORRECT PERMIT AND RULE NUMBERS BASED ON THE USCG PERMIT.  
THE CONTRACTOR WILL ADJUST THE UNDERWATER FLOAT SO THAT THE CABLE DOES NOT TOUCH THE BOTTOM AT LOW TIDE.  
THE CONTRACTOR WILL TEST THE EMBEDMENT ANCHORS TO ENSURE 500 POUNDS OF UPWARD RESISTING FORCE.

MATERIAL

BUOYS AND ALL OTHER MATERIALS AND HARDWARE NEEDED FOR CONSTRUCTION AND INSTALLATION (INCLUDING BUOY, STAINLESS STEEL HARDWARE AND ANCHORS) WILL BE SUPPLIED BY THE CONTRACTOR.

UTILITIES

THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY/AGENCY OWNER THROUGH SUNSHINE ONE CALL OF FLORIDA INC (1-800-432-4770) TWO WORKING DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES SO THAT THE OWNER REPRESENTATIVE CAN BE PRESENT.

UTILITY/AGENCY OWNER

JE A WATER/SEWER  
JE A ELECTRIC  
TECO PEOPLES GAS

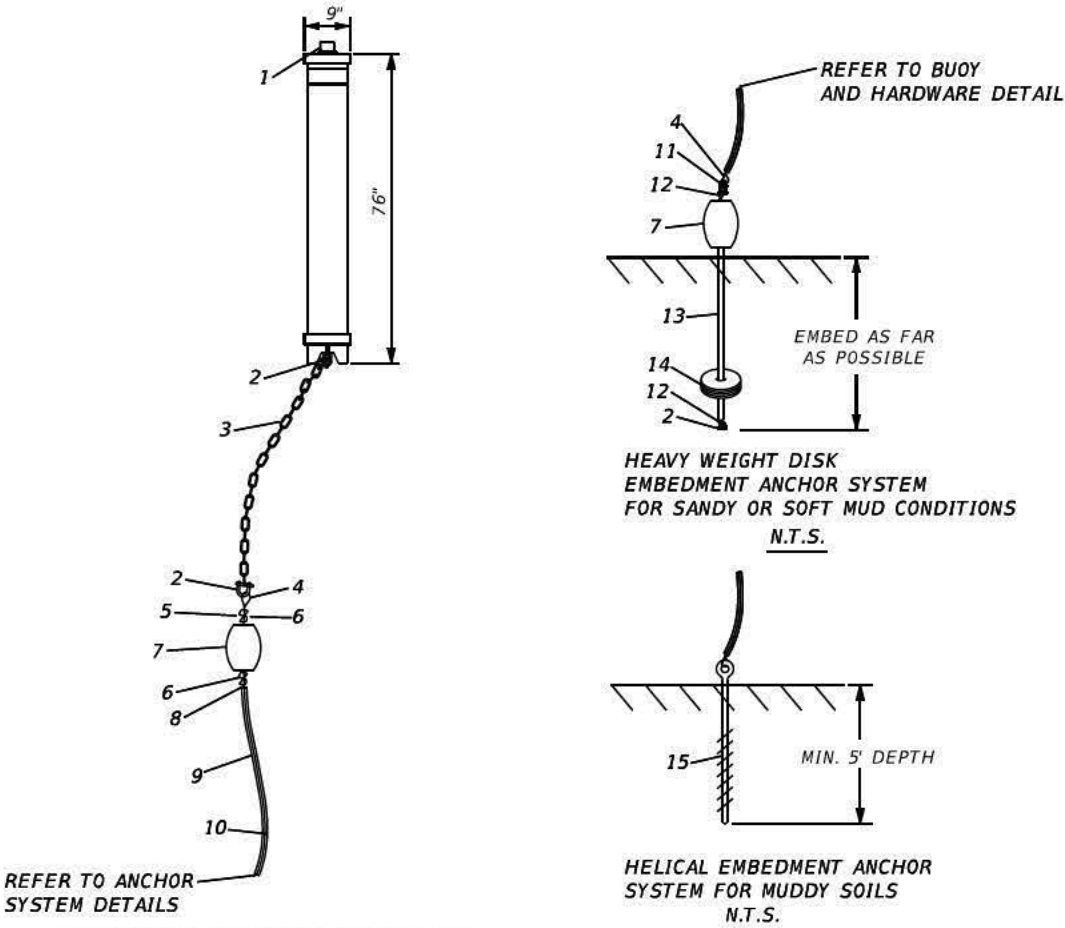
CONTACT PERSON

WAYNE MCDOWELL  
STEVE BELLANGER  
DONNA SPOHN

TELEPHONE NUMBER

904-665-8054  
904-665-6583  
904-443-7316

CHANNEL MARKER BUOY DETAIL  
BUOY DIMENSIONS AND SPECIFICATIONS BASED ON ROLYAN PRODUCTS.



ROLYAN BUOY GREEN CAN AND RED NUN  
MODEL B1148G AND B1148R WITH  
STAINLESS STEEL HARDWARE

N.T.S.

MOORING ITEMS

	ITEM DESCRIPTION*
1	ONE MILE SOLAR LIGHT, STAINLESS STEEL HARDWARE (GREEN AND RED) (ROLYAN #T-81 B381G AND B381R)
2	1/2" STAINLESS STEEL SHACKLE (ROLYAN B190255)
3	STAINLESS STEEL CHAIN ENCASED IN PLIOVIC HOSE WRAPPED AROUND SHACKLE AND BOLTED THROUGH CHAIN LINK TO CREATE EYE (MINIMUM 3') (ROLYAN B1821055)
4	STORM SOFT LINE W/EYE SPLICE
5	CANVAS FIRE HOSE WRAPPED AROUND EYE AND HELD W/ TIE WRAPS
6	FIGURE 8 KNOT TO SECURE BUOY AT APPROPRIATE DEPTH
7	JIM BUOY MODEL # 1100 (9 1/4" LONG X 7")
8	STORM SOFT DOWN LINE
9	3"-4" CHAFING GEAR SECURED WITH HEAVY DUTY CABLE TIES
10	EYE SPLICE WITH SELF TIGHTENING KNOT
11	1/2" STAINLESS STEEL EYE AND JAW SWIVEL (CHAFING GEAR COVERS CONNECTION)
12	CREATE EYE SPLICE IN POLY STEEL ROPE
13	BLUE GOODYEAR PLIOVIC HOSE 1" DIA. COVER POLY STEEL ROPE
14	MINIMUM OF 4 (50 LB. BARBELL/DUMBBELL PLATES)
15	HELICAL EMBEDMENT ANCHOR, MINIMUM OF 6" DISK WITH 1 1/4" SHAFT DIA.

\*OR APPROVED EQUAL

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DATE	DESCRIPTION	DATE	DESCRIPTION				
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DATE	DESCRIPTION	DATE	DESCRIPTION

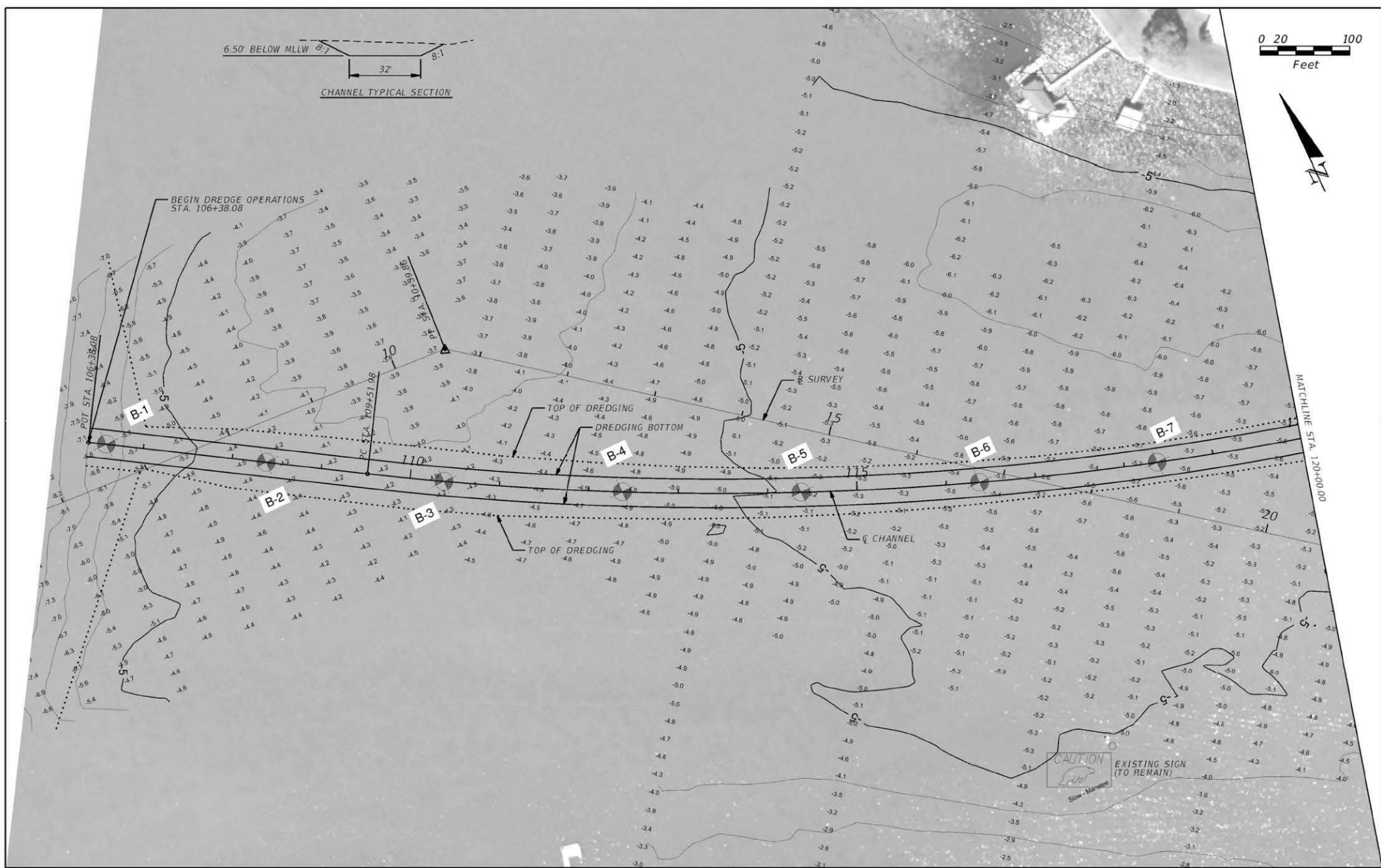
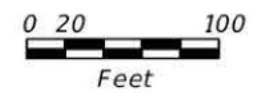
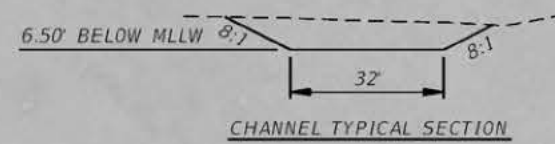
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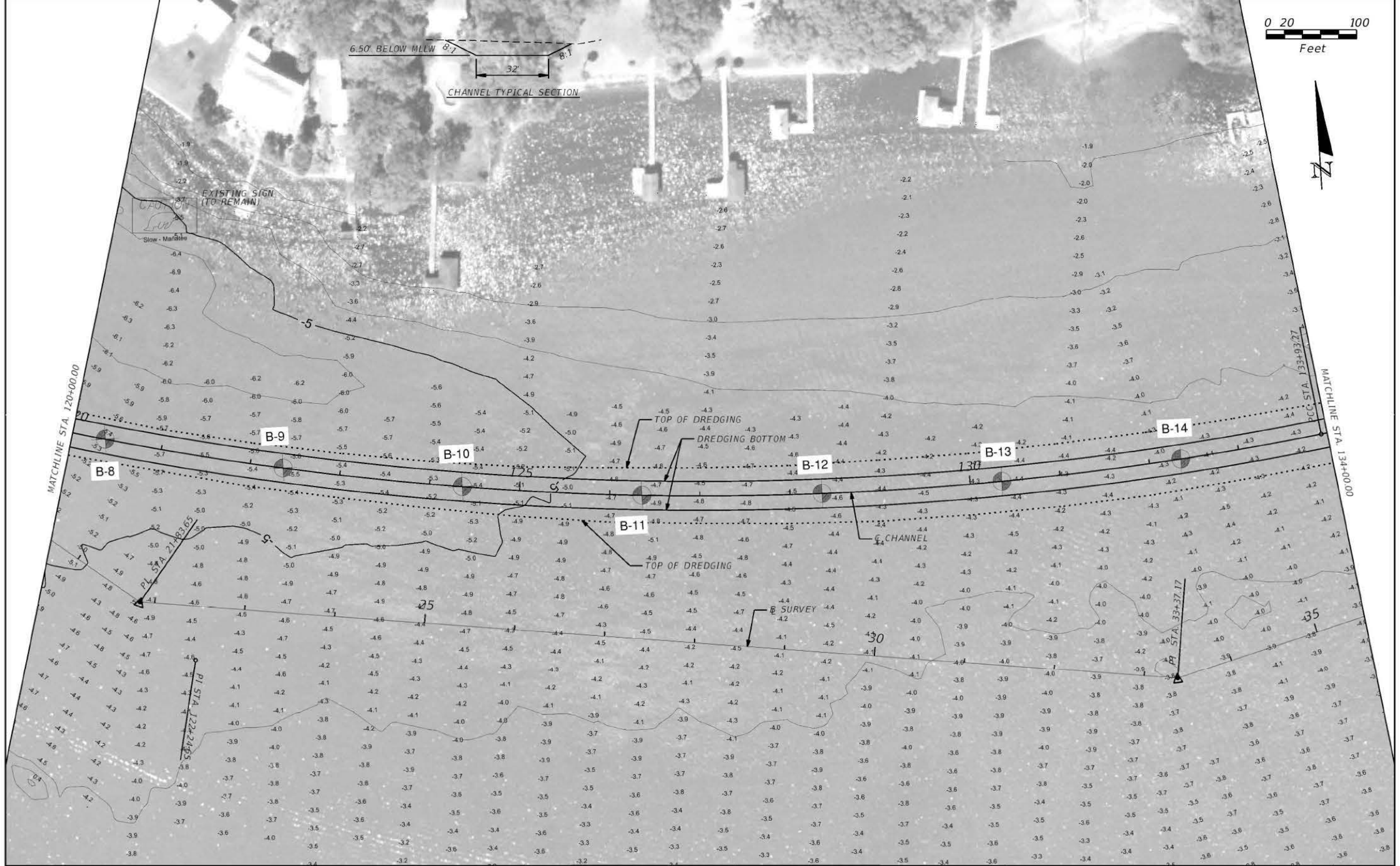
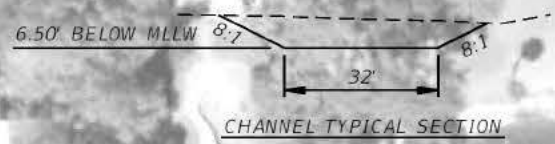
**ARLINGTON RIVER AND**  
**POTTSBURG CREEK**  
**OVERALL CHANNEL PLAN**

SHEET  
NO.  
**3**





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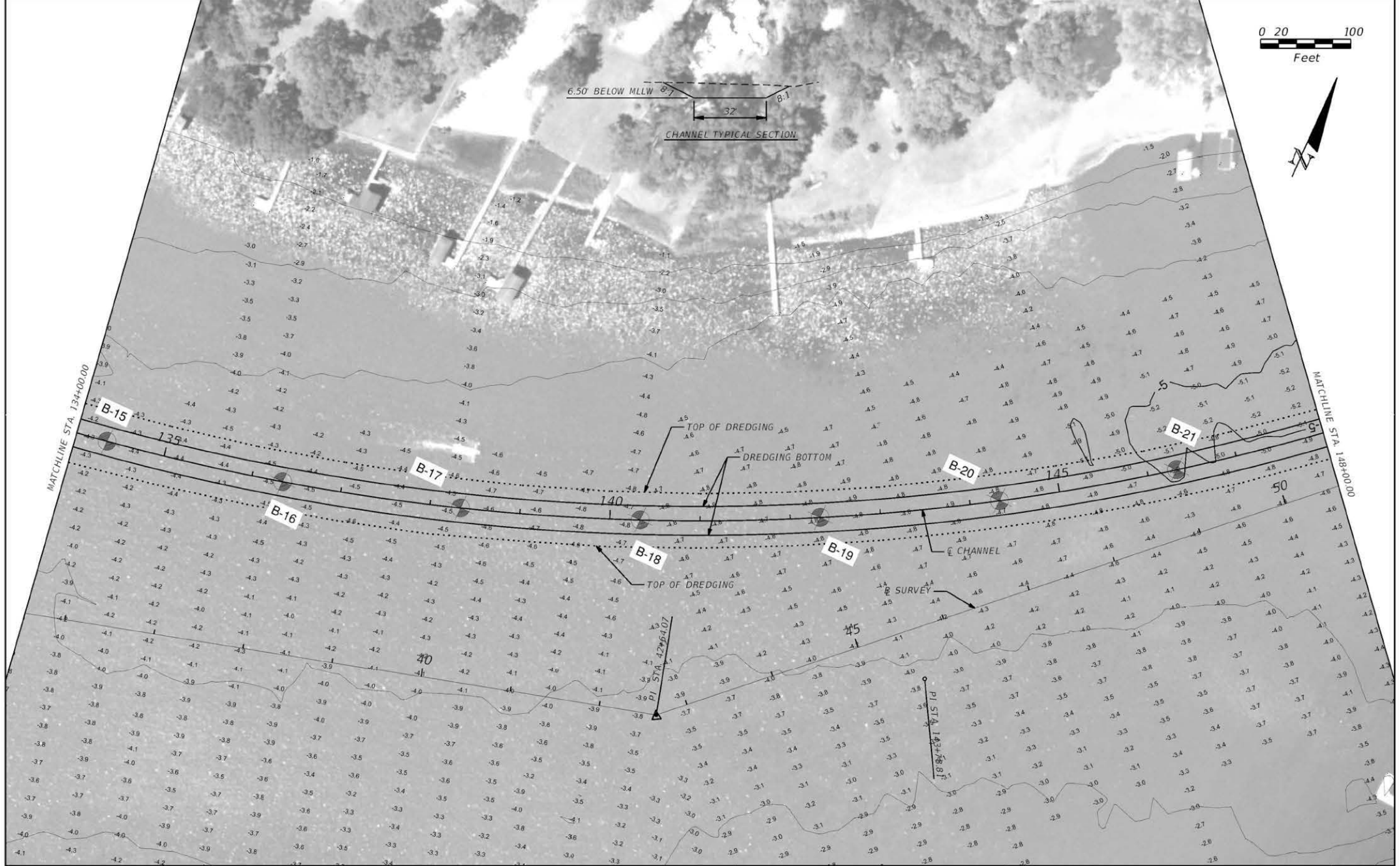
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**CHANNEL PLAN**

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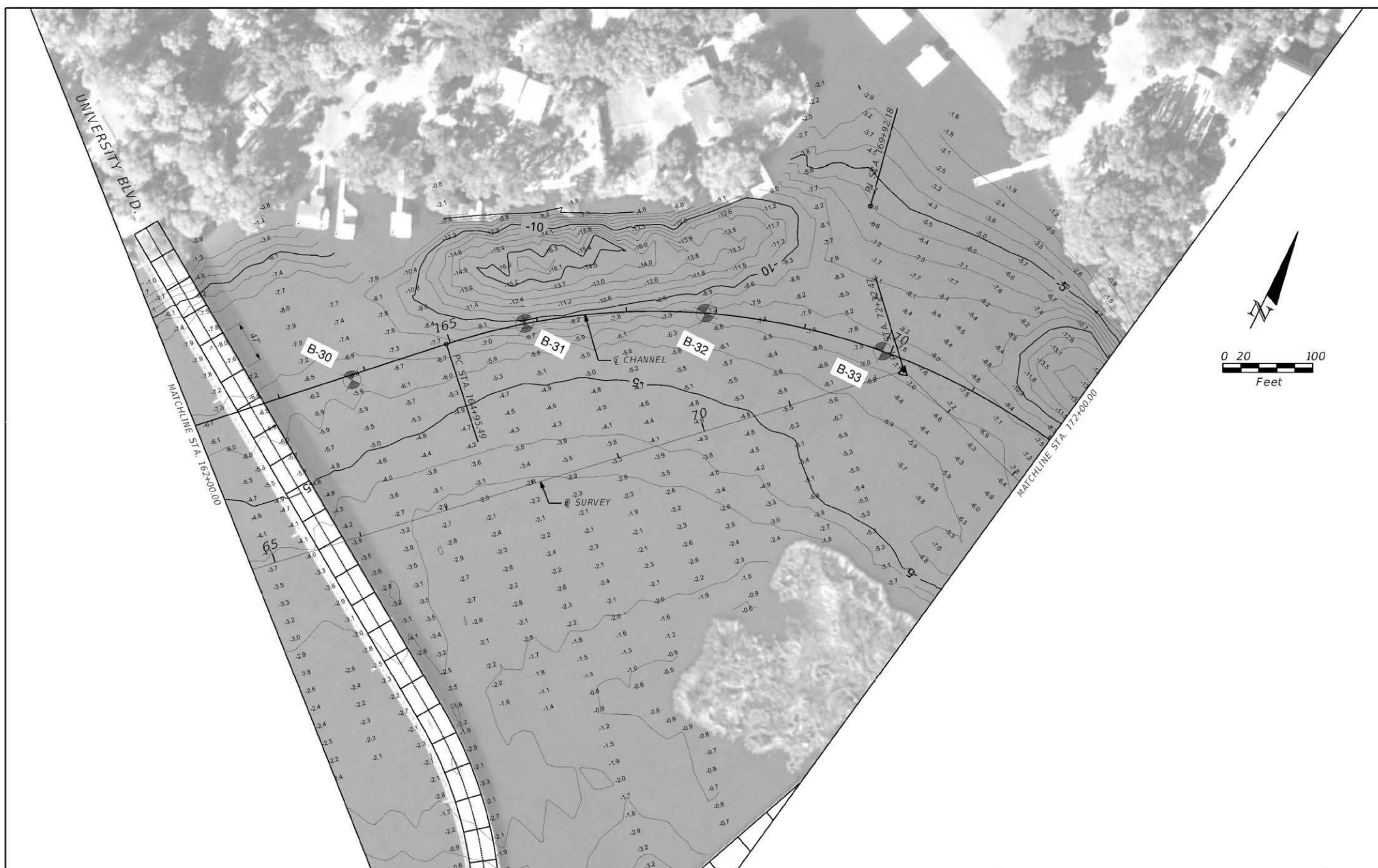
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**POTTSBURG CREEK**  
**CHANNEL PLAN**

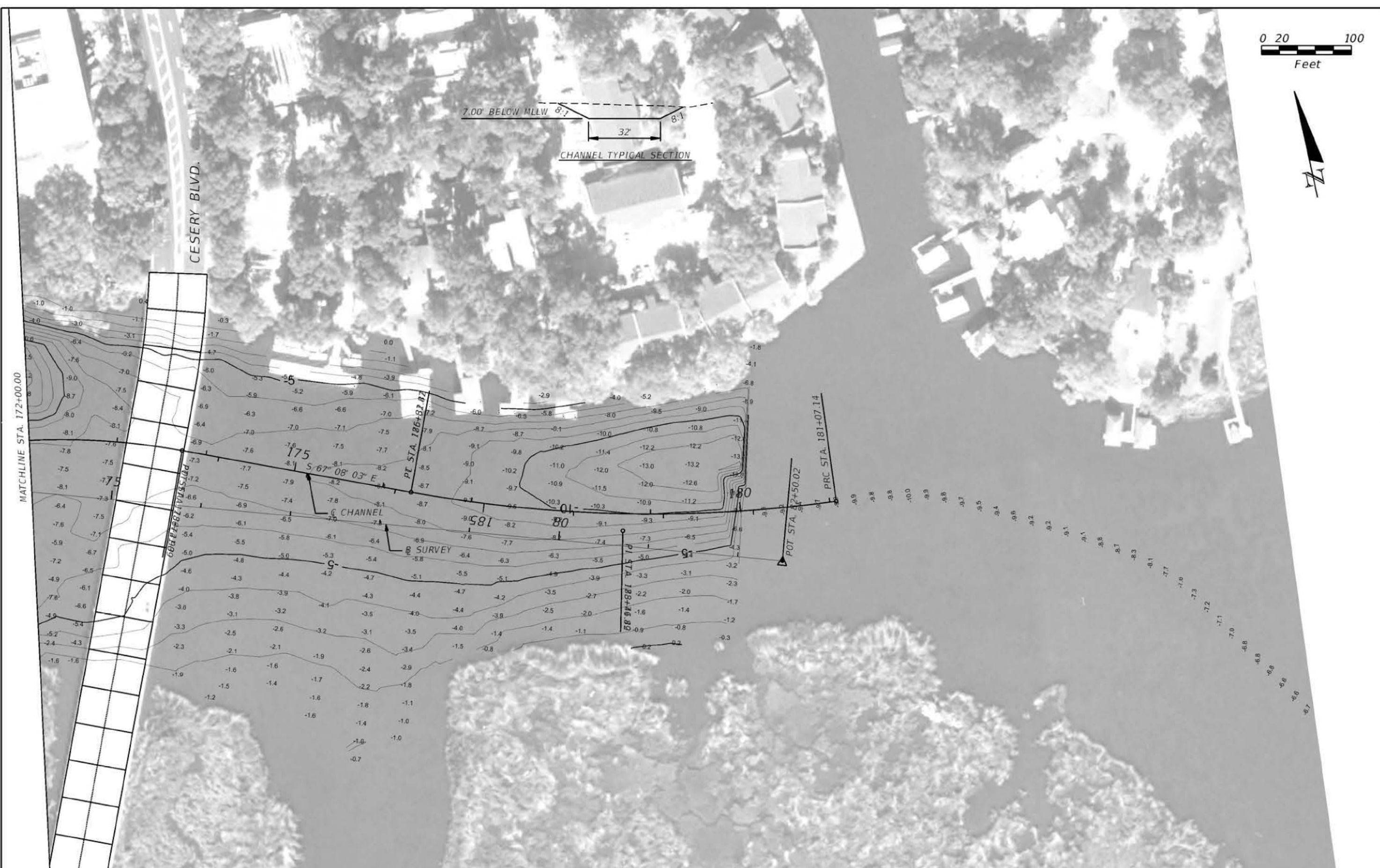
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DATE	DESCRIPTION	DATE	DESCRIPTION				



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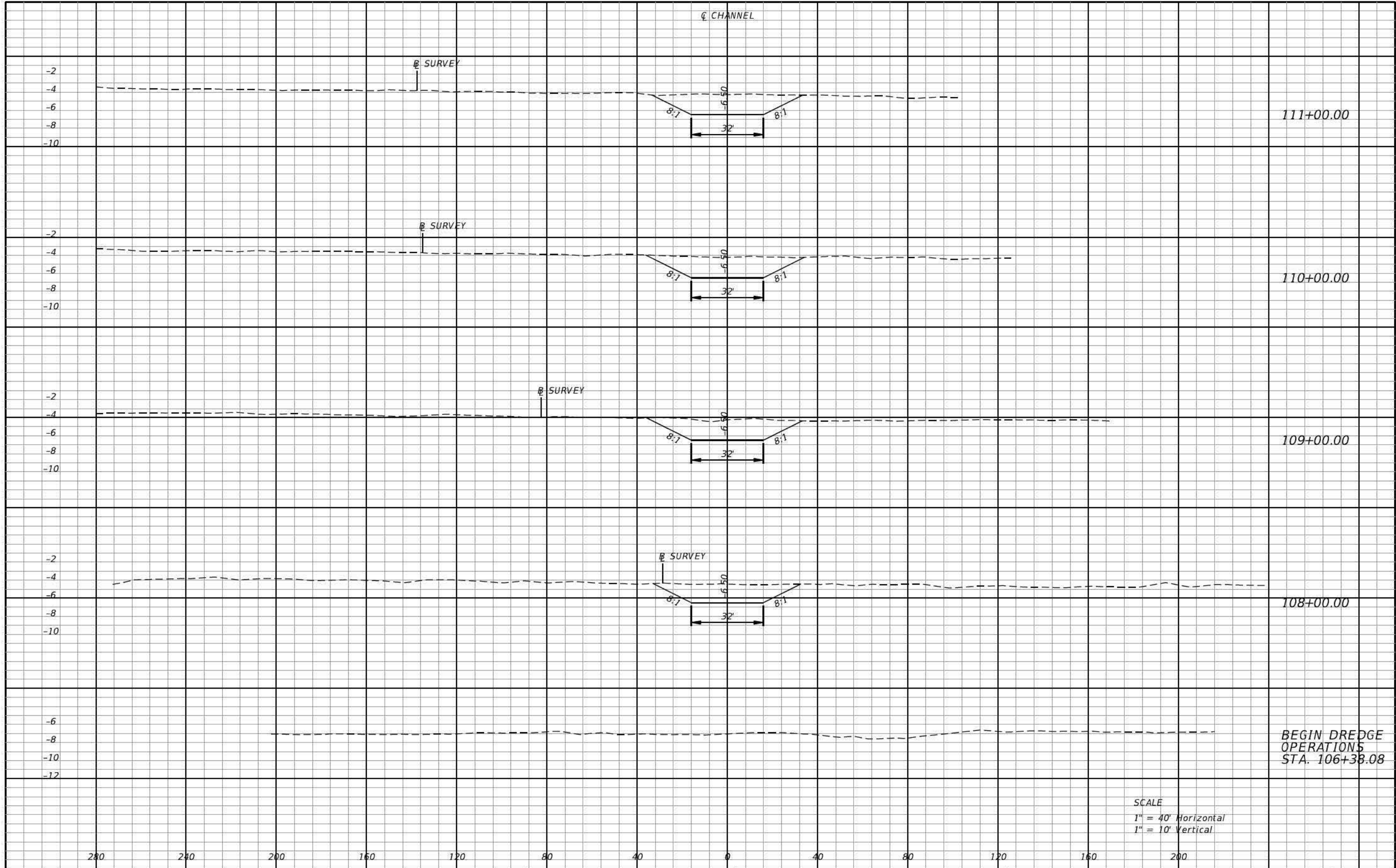
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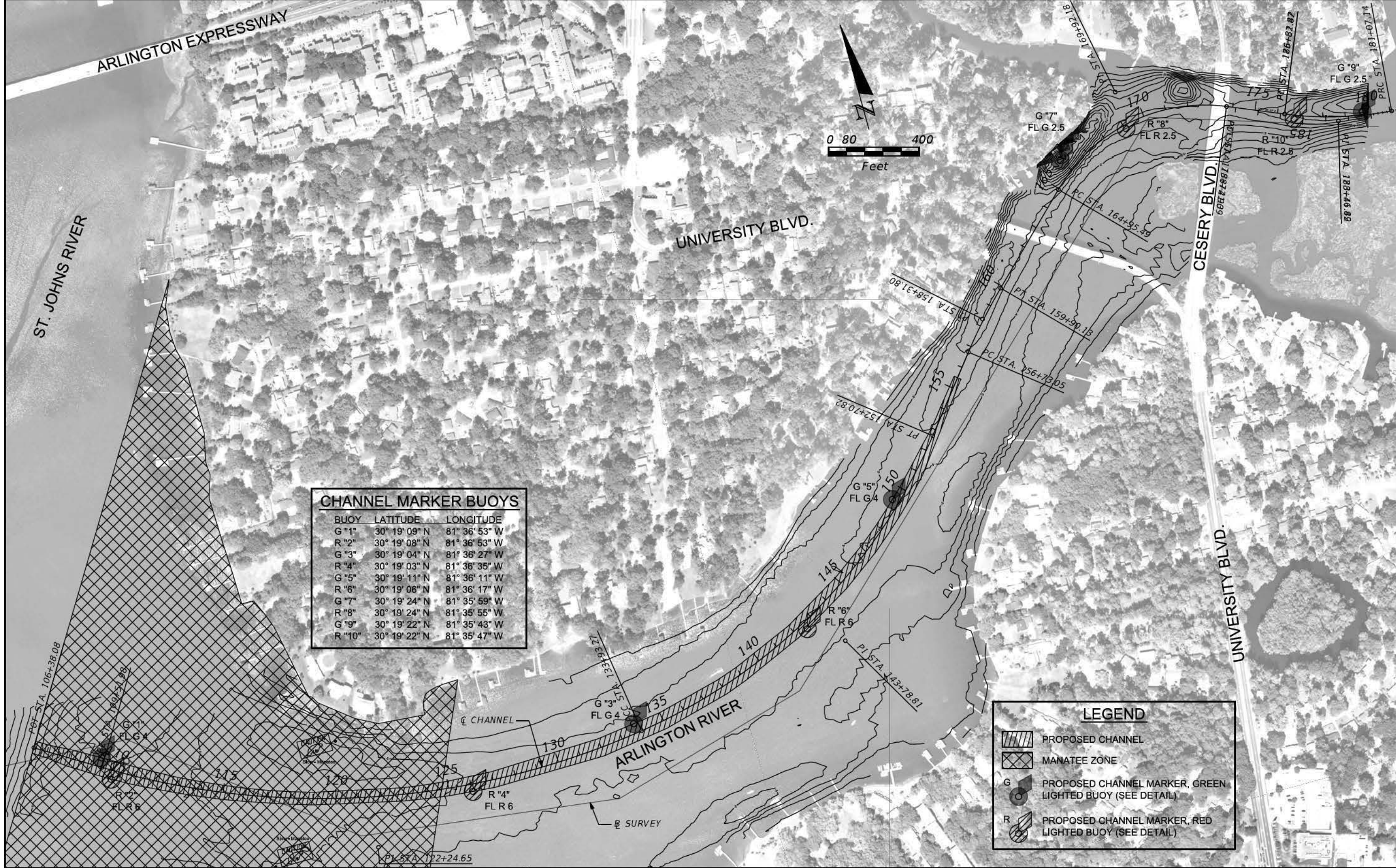
**ARLINGTON RIVER AND**  
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**CHANNEL PLAN**

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**9**





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DATE	DESCRIPTION	DATE	DESCRIPTION				



CHANNEL MARKER BUOYS		
BUOY	LATITUDE	LONGITUDE
G "1"	30° 19' 09" N	81° 36' 53" W
R "2"	30° 19' 08" N	81° 36' 53" W
G "3"	30° 19' 04" N	81° 36' 27" W
R "4"	30° 19' 03" N	81° 36' 35" W
G "5"	30° 19' 11" N	81° 36' 11" W
R "6"	30° 19' 06" N	81° 36' 17" W
G "7"	30° 19' 24" N	81° 35' 59" W
R "8"	30° 19' 24" N	81° 35' 55" W
G "9"	30° 19' 22" N	81° 35' 43" W
R "10"	30° 19' 22" N	81° 35' 47" W

LEGEND

PROPOSED CHANNEL

MANATEE ZONE

PROPOSED CHANNEL MARKER, GREEN LIGHTED BUOY (SEE DETAIL)

PROPOSED CHANNEL MARKER, RED LIGHTED BUOY (SEE DETAIL)

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ARLINGTON RIVER AND  
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CHANNEL MARKER LOCATION PLAN

SHEET NO.  
22





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				\$USERS	\$DATES	\$TIMES	\$FILES	





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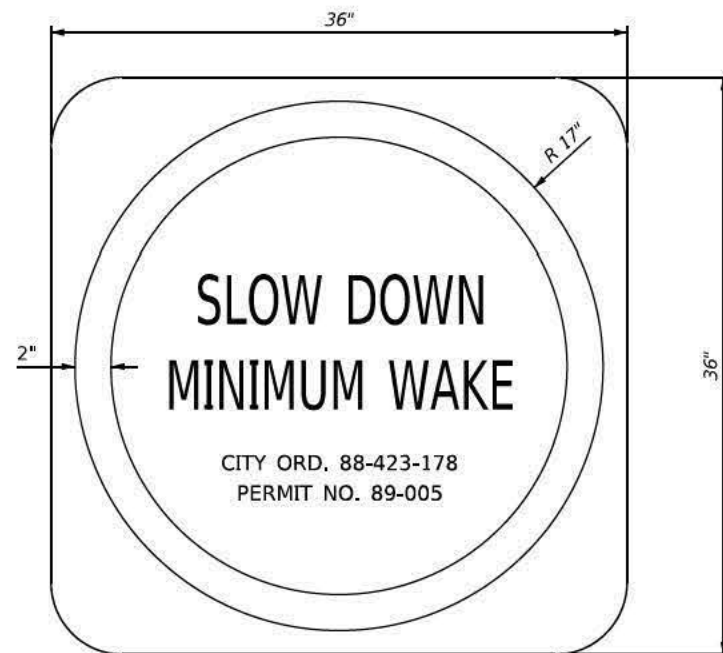
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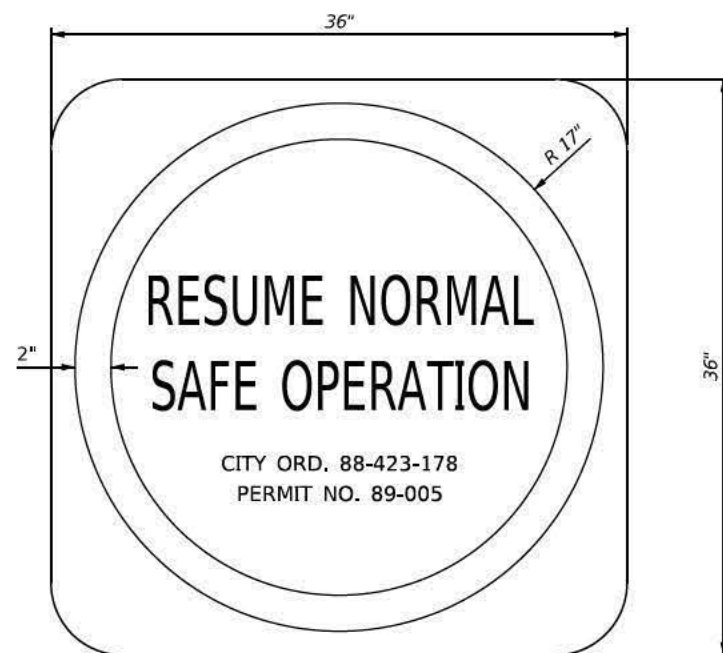
**ARLINGTON RIVER AND**  
**POTTSBURG CREEK**  
**SIGN REPLACEMENT LOCATION PLAN**

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**24**

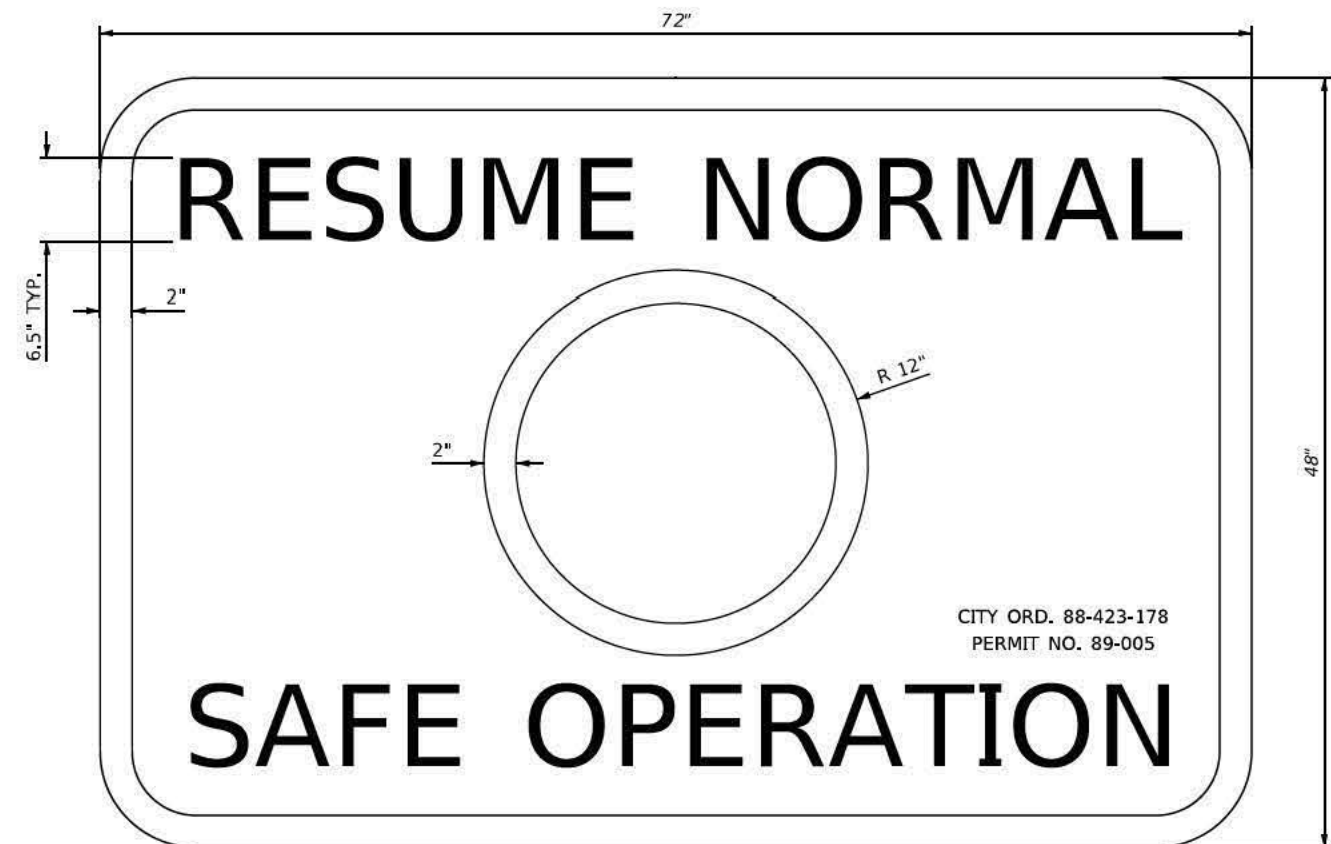




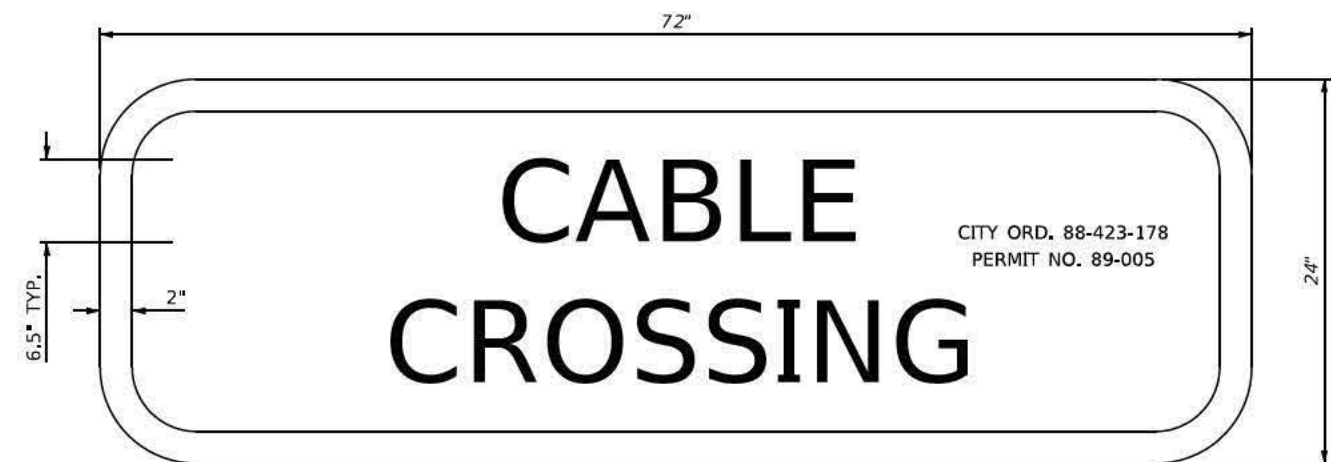
SIGN REPLACEMENT DETAIL 1  
IN POTTSBURG CREEK



SIGN REPLACEMENT DETAIL 2  
IN POTTSBURG CREEK



SIGN REPLACEMENT DETAIL 3  
IN POTTSBURG CREEK



SIGN REPLACEMENT DETAIL 4  
IN POTTSBURG CREEK

**GENERAL NOTES AND SPECIFICATIONS**

1. MOUNT SIGNS TO EXISTING SUPPORTS USING 3/8" x 1.5" STAINLESS STEEL LAG BOLTS, LOCK WASHERS, AND NYLON SHOULDER WASHERS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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**ARLINGTON RIVER AND**  
**POTTSBURG CREEK**  
**SIGN REPLACEMENT DETAIL**

SHEET  
NO.

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STRUCTURAL NOTES AND SPECIFICATIONS

PART 1 - SPECIFICATIONS

1.01 2013 FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION"

PART 2 - SCOPE OF WORK

2.01 REPLACE THE TWO (2) 4'-0"X 8'-0" "NO SKIING ZONE" SIGN PANELS ON THE ATLANTIC BLVD. SR10 (US90) BRIDGE OVER BIG POTTSBURG CREEK, BRIDGE NO. 720042. REPLACEMENT INCLUDES SIGN PANEL, TIMBER SUPPORT SYSTEM, AND BOLTS REQUIRED TO REATTACH THE SIGN PANEL TO THE SUPPORT SYSTEM.

2.02 THE EXISTING STRUCTURAL CHANNELS ATTACHED TO THE BRIDE DECK AND BARRIER SHALL REMAIN IN PLACE AND BE REUSED.

PART 3 - STRUCTURAL NOTES

3.01 THE SIGN PANELS SHALL MEET THE REQUIREMENTS OF SECTIONS 700-2 AND 700-3 OF THE SPECIFICATIONS. PANELS SHALL BE 4'-0"X 8'-0"AND SHALL MATCH THE TEXT AND LOGO OF THE EXISTING SIGNS, ENSURING THE TEXT AND LOGO SIZE ARE THE SAME AS EXISTING.

3.02 ALL STEEL BOLTS, NUTS, AND WASHERS SHALL MEET THE REQUIREMENTS OF ASTM A325 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM F2329. REPLACE ALL BOLTS, NUTS, AND WASHERS IN KIND.

3.03 THE TIMBER SUPPORT SYSTEM SHALL BE REPLACED IN KIND WITH 4X4 NOMINAL LUMBER MEETING THE REQUIREMENTS OF SECTION 952 OF THE SPECIFICATIONS.

3.04 THE TIMBER SUPPORT SYSTEM SHALL BE TREATED IN ACCORDANCE WITH SECTION 955 OF THE SPECIFICATIONS.

PART 4 - SIGN NOTES

4.01 SIGN SHALL BE MADE USING 0.125" ALUMINUM BASE MATERIAL.

4.02 THE MESSAGE AND WATER SKIER GRAPHIC SHALL BE BOLD BLACK ON A WHITE REFLECTIVE BACKGROUND WITH AN ORANGE BORDER AND ORANGE Ø SYMBOL.

PART 5 - CONTRACTOR NOTES

5.01 THE CONTRACTOR WILL VERIFY THAT SIGNS HAVE BEEN DELIVERED IN GOOD CONDITION, ARE THE CORRECT SIZE, AND CONTAIN THE CORRECT LETTERING PRIOR TO INSTALLATION.



BRIDGE SIGN REPLACEMENT DETAIL  
FOR THE ATLANTIC BLVD. SR10 (US90) BRIDGE  
OVER BIG POTTSBURG CREEK.

N.T.S.

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**RS&H**  
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10748 Deerwood Park Blvd. South  
Jacksonville, Florida 32256  
904-256-2500

Certificate of Authorization No. EB0005620  
Engineer of Record: Chandrasegaran Raman, P.E. No.: 58740

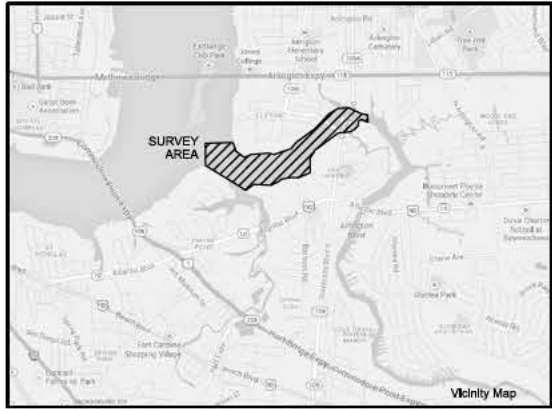
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BRIDGE SIGN REPLACEMENT DETAIL

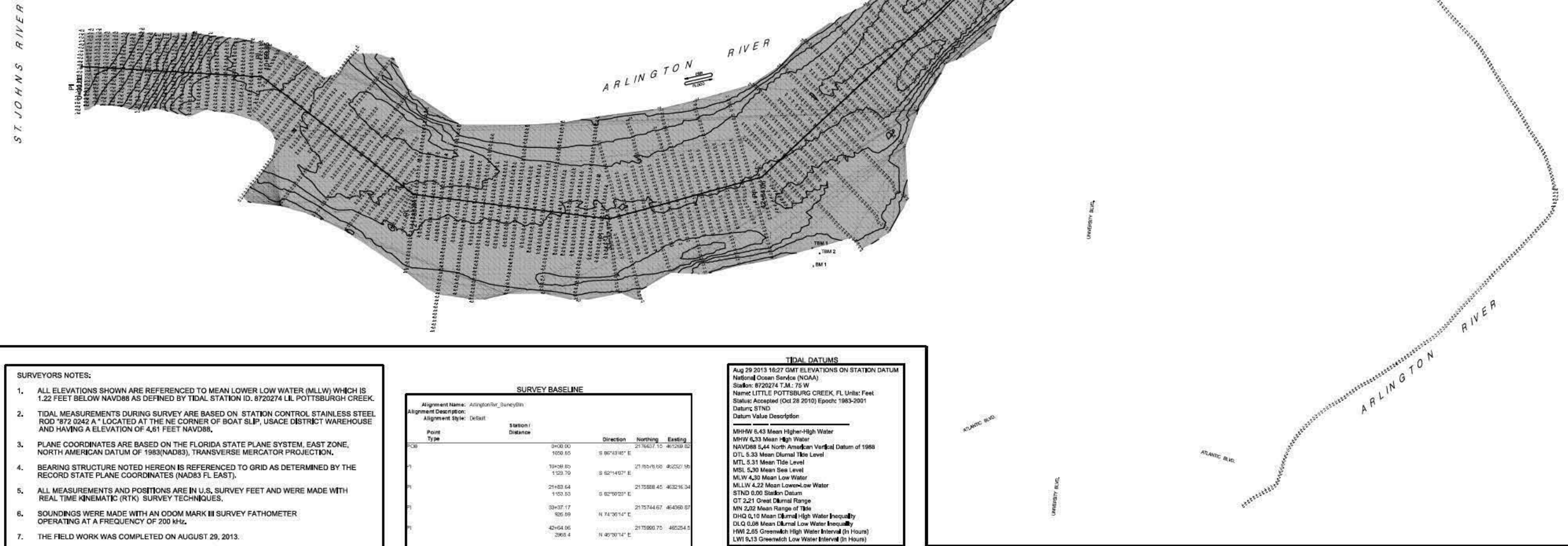
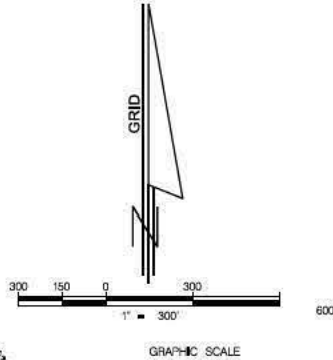
SHEET NO.

26





MAP SHOWING A HYDROGRAPHIC SURVEY OF A PORTION OF THE ARLINGTON RIVER,  
BEGINNING AT THE CONFLUENCE OF THE ST. JOHNS RIVER AND  
CONTINUING TO EAST OF THE UNIVERSITY BLVD. BRIDGE,  
JACKSONVILLE, FLORIDA



SURVEYORS NOTES:

- ALL ELEVATIONS SHOWN ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW) WHICH IS 1.22 FEET BELOW NAVD88 AS DEFINED BY TIDAL STATION ID. 8720274 LIL POTTSBURGH CREEK.
- TIDAL MEASUREMENTS DURING SURVEY ARE BASED ON STATION CONTROL STAINLESS STEEL ROD "872 0242 A" LOCATED AT THE NE CORNER OF BOAT SLIP, USACE DISTRICT WAREHOUSE AND HAVING A ELEVATION OF 4.61 FEET NAVD88.
- PLANE COORDINATES ARE BASED ON THE FLORIDA STATE PLANE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983(NAD83), TRANSVERSE MERCATOR PROJECTION.
- BEARING STRUCTURE NOTED HEREON IS REFERENCED TO GRID AS DETERMINED BY THE RECORD STATE PLANE COORDINATES (NAD83 FL EAST).
- ALL MEASUREMENTS AND POSITIONS ARE IN U.S. SURVEY FEET AND WERE MADE WITH REAL TIME KINEMATIC (RTK) SURVEY TECHNIQUES.
- SOUNDINGS WERE MADE WITH AN ODOM MARK III SURVEY FATHOMETER OPERATING AT A FREQUENCY OF 200 KHZ.
- THE FIELD WORK WAS COMPLETED ON AUGUST 29, 2013.
- THIS SURVEY MAP DOES NOT REFLECT OR DETERMINE OWNERSHIP.
- THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING GENERAL CONDITIONS EXISTING AT THAT TIME.
- PREPARED FOR REYNOLD, SMITH, AND HILLS (RS&H) AND THE CITY OF JACKSONVILLE, FLORIDA.

SURVEY BASELINE

Alignment Name: ArlingtonRiv_SurveyBn				
Alignment Style: Default				
Point Type	Station / Distance	Direction	Northing	Easting
PCB	0+00.00		2176507.15	461269.82
	1029.85	S 86°43'40" E		
PI	10+29.85		2176507.15	461269.82
	1+29.79	S 82°14'03" E		
PI	21+58.64		2175888.45	463216.34
	1+03.53	S 82°10'23" E		
PI	33+37.17		2175744.67	464360.57
	926.69	N 74°30'14" E		
PI	42+64.86		2175900.75	465254.11
	2968.4	N 40°30'14" E		
PI	72+32.46		2178021.35	467419.69
	1017.54	S 72°13'40" E		
BOC	82+50.00		2177719.76	467336.63

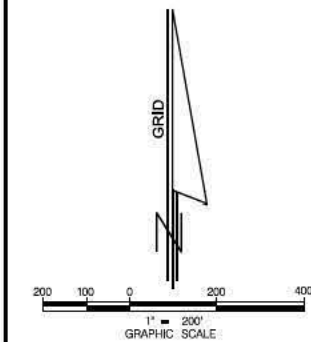
TIDAL DATUMS

Aug 29 2013 16:27 GMT ELEVATIONS ON STATION DATUM  
National Ocean Service (NOAA)  
Station: 8720274 T.M.: 75 W  
Name: LITTLE POTTSBURG CREEK, FL Units: Feet  
Status: Accepted (Oct 28 2010) Epoch: 1983-2001  
Datum: STND  
Datum Value Description  
MHW 6.43 Mean Higher-High Water  
MHW 6.33 Mean High Water  
NAVD88 5.44 North American Vertical Datum of 1988  
DTL 5.33 Mean Diurnal Tide Level  
MTL 5.31 Mean Tide Level  
MSL 5.30 Mean Sea Level  
MLW 4.30 Mean Low Water  
MLLW 4.22 Mean Lower-Low Water  
STND 0.00 Station Datum  
GT 2.21 Great Diurnal Range  
MN 2.02 Mean Range of Tide  
DHQ 0.10 Mean Diurnal High Water Inequality  
DLQ 0.08 Mean Diurnal Low Water Inequality  
HWI 2.65 Greenwich High Water Interval (in Hours)  
LWI 5.15 Greenwich Low Water Interval (in Hours)

ARLINGTON RIVER SURVEY CONTROL SUMMARY

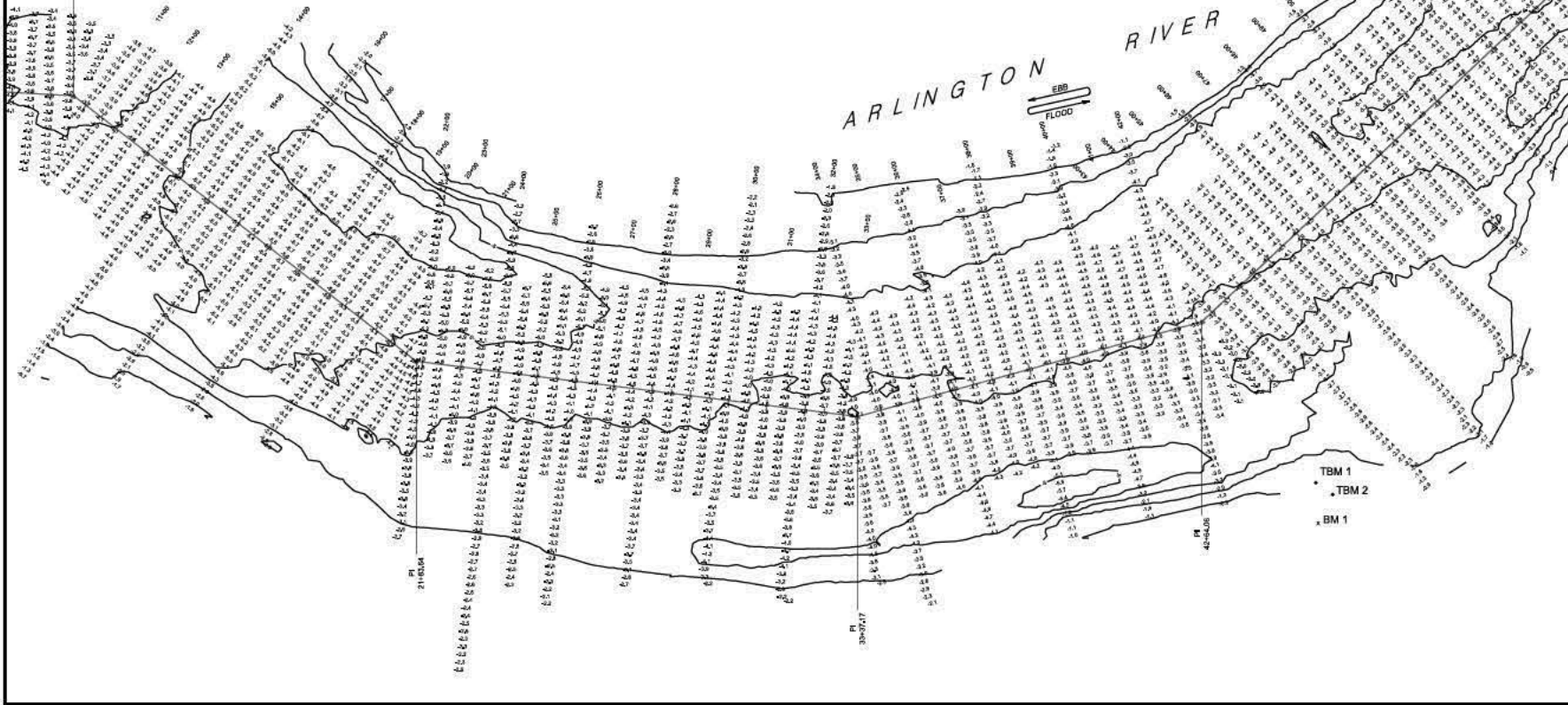
DESIGNATION	NORTHING	EASTING	ELEV. NAVD88	DESCRIPTION
872 0242 A	2190469.39	460963.71	4.36	STAINLESS STEEL ROD AT ACCE DREDGE DEPOT
STUD 204			3.43	BRASS DISC IN CONC AT ACCE DREDGE DEPOT
BMI1			3.16	X-CUT ON NW CORN OF CONC DRAIN
TBM 1	2175573.73	465549.87	3.04	NAIL AND DISC IN WOODED DOCK
TBM2	2175543.03	465593.35	3.00	NAIL AND DISC IN WOODED DOCK

MAP SHOWING A HYDROGRAPHIC SURVEY OF A PORTION OF THE ARLINGTON RIVER,  
BEGINNING AT THE CONFLUENCE OF THE ST. JOHNS RIVER AND  
CONTINUING TO EAST OF THE UNIVERSITY BLVD. BRIDGE,  
JACKSONVILLE, FLORIDA

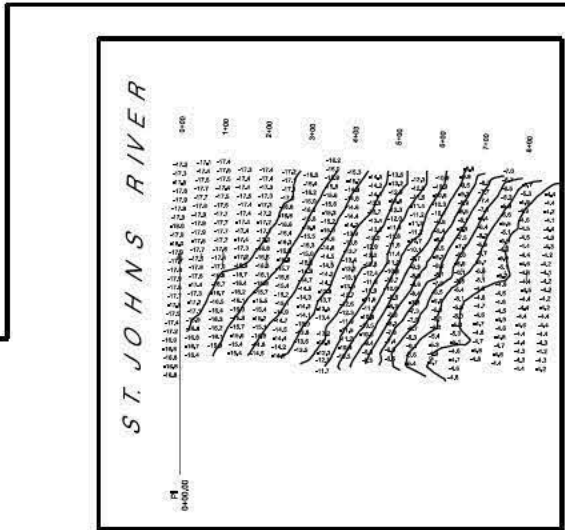


MATCH LINE THIS SHEET

10+58.85



TBM 1  
TBM 2  
BM 1



MATCH LINE THIS SHEET

Refer to Sheet No. 1 for Survey Notes

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

**HANSON**  
Hanson Professional Services Inc.  
8075 Gate Parkway West, Suite 204  
Jacksonville, FL 32216-3685  
Offices Nationwide  
Jeffrey Cunningham, P.E. #40944  
Certificate of Authorization #7961

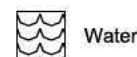
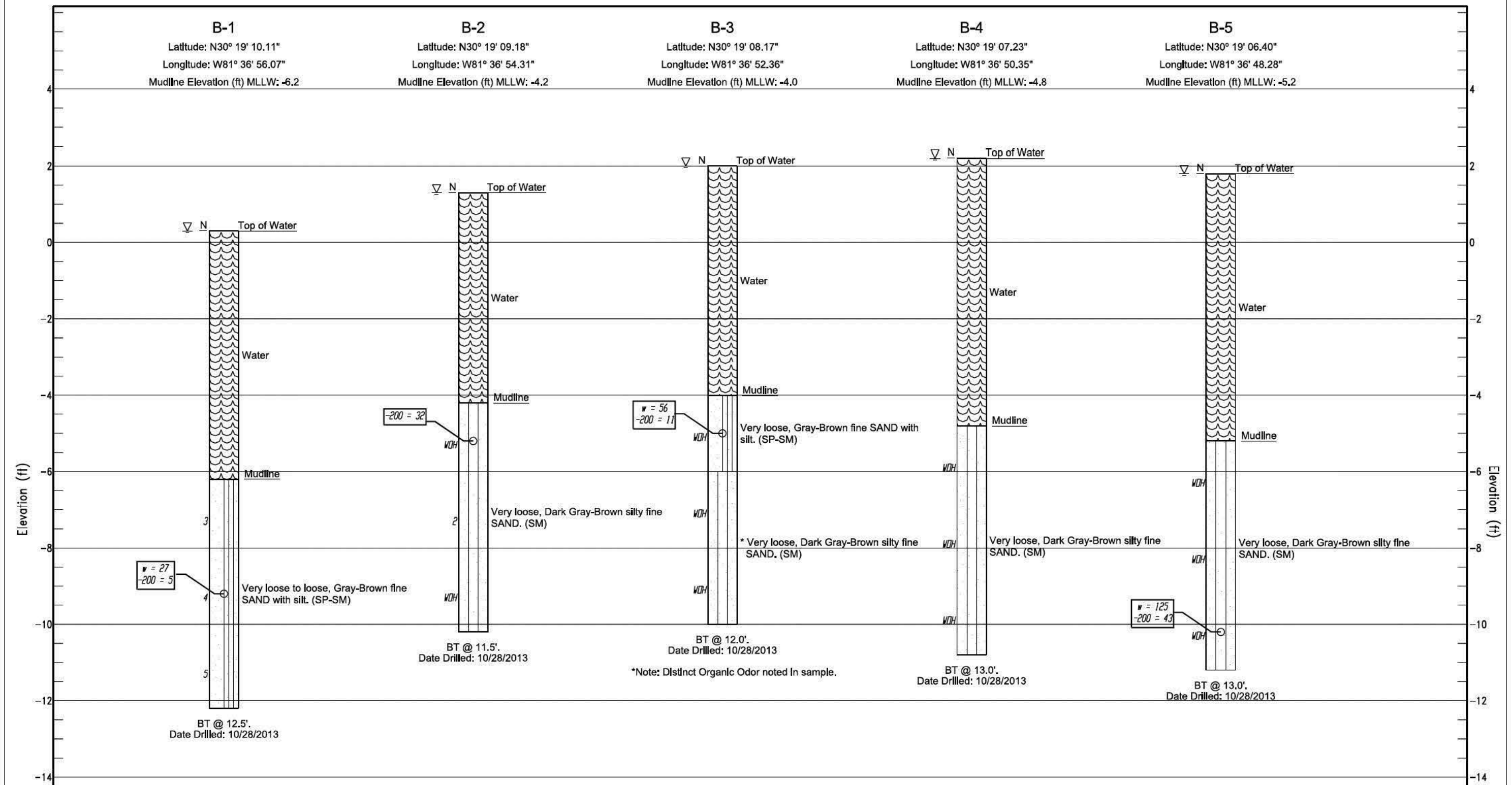
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ENGINEERING AND CONSTRUCTION  
MANAGEMENT DIVISION

ARLINGTON RIVER AND  
POTTSBURG CREEK

SHEET  
NO.

28





Water



Fine Sand with Silt



Silty Fine Sand

### Legend

N Standard Penetration Resistance, Blows/Foot

BT Boring Terminated at Depth Below River Water Surface

(SP) Unified Soil Classification System

Approximate water level elevation at Time of Drilling

w Natural Moisture Content (%)

-200 % Passing No. 200 U.S. Standard Sieve

WOH Sampler advanced by weight of hammer

Note: Latitude and Longitude and Mudline elevation for each boring provided by Arc Surveying & Mapping, Inc.  
All elevations shown are referenced to Mean Lower Low Water (MLLW).

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

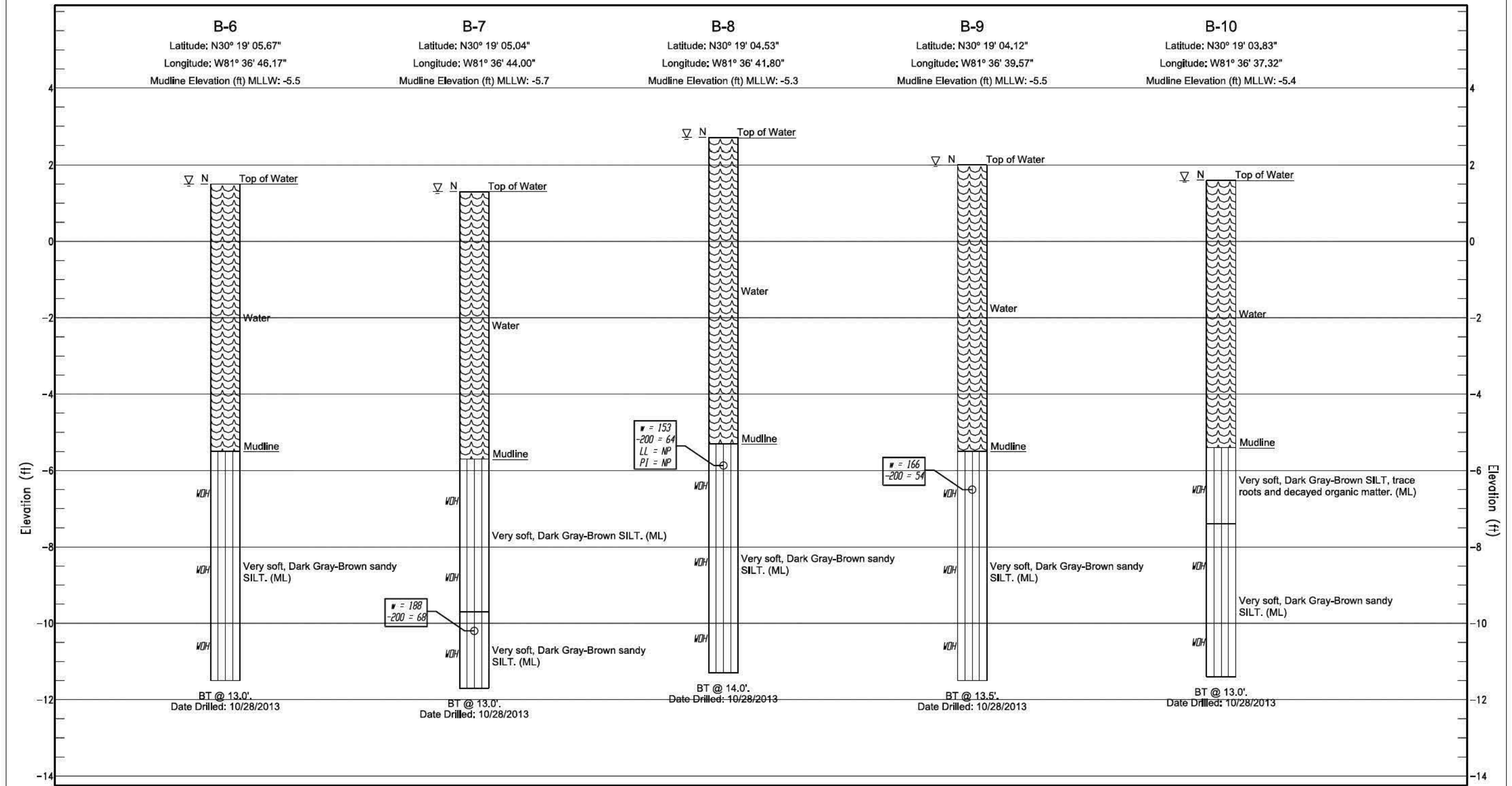
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Meskel & Associates Engineering, PLLC  
FL Certificate of Authorization No. 28142  
8936 Western Way, Suite 12, Jacksonville, FL 32256

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ARLINGTON RIVER AND  
POTTSBURG CREEK  
DREDGING SOIL BORING PROFILES

SHEET  
NO.

29



Water



Silt

Legend

N Standard Penetration Resistance, Blows/Foot

BT Boring Terminated at Depth Below River Water Surface

(SP) Unified Soil Classification System

▽ Approximate water level elevation at Time of Drilling

w Natural Moisture Content (%)

-200 % Passing No. 200 U.S. Standard Sieve

WOH Sampler advanced by weight of hammer

LL Liquid Limit (%)

PI Plasticity Index (%)

Note: Latitude and Longitude and Mudline elevation for each boring provided by Arc Surveying & Mapping, Inc.  
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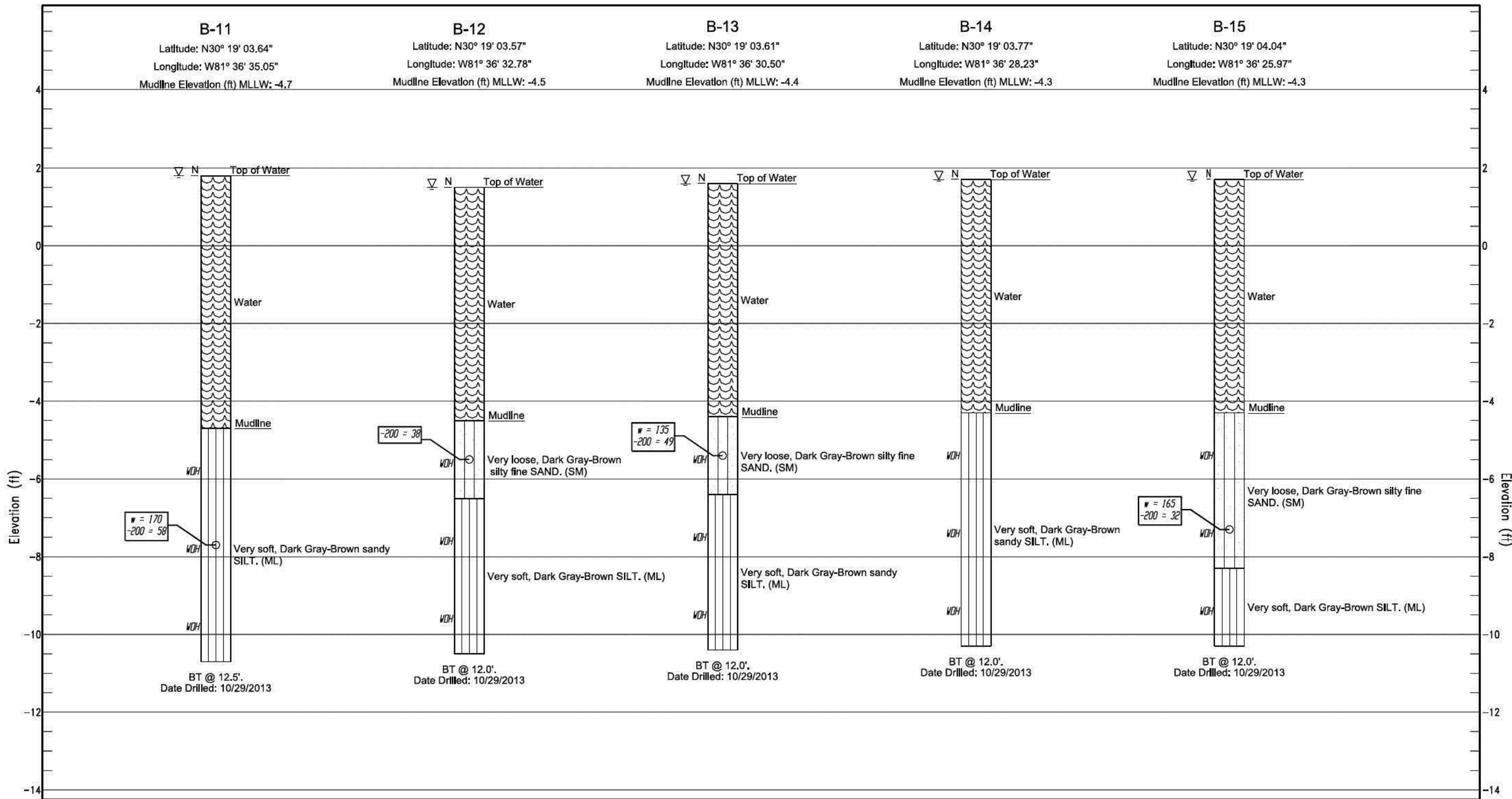
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ARLINGTON RIVER AND  
POTTSBURG CREEK  
DREDGING SOIL BORING PROFILES

SHEET  
NO.

30





Legend



Water



Silt



Silty Fine Sand

N

Standard Penetration Resistance, Blows/Foot

BT

Boring Terminated at Depth Below River Water Surface

(SP)

Unified Soil Classification System

▽

Approximate water level elevation at Time of Drilling

w

Natural Moisture Content (%)

-200

% Passing No. 200 U.S. Standard Sieve


WOH

Sampler advanced by weight of hammer

Note: Latitude and Longitude and Mudline elevation for each boring provided by Arc Surveying & Mapping, Inc.  
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REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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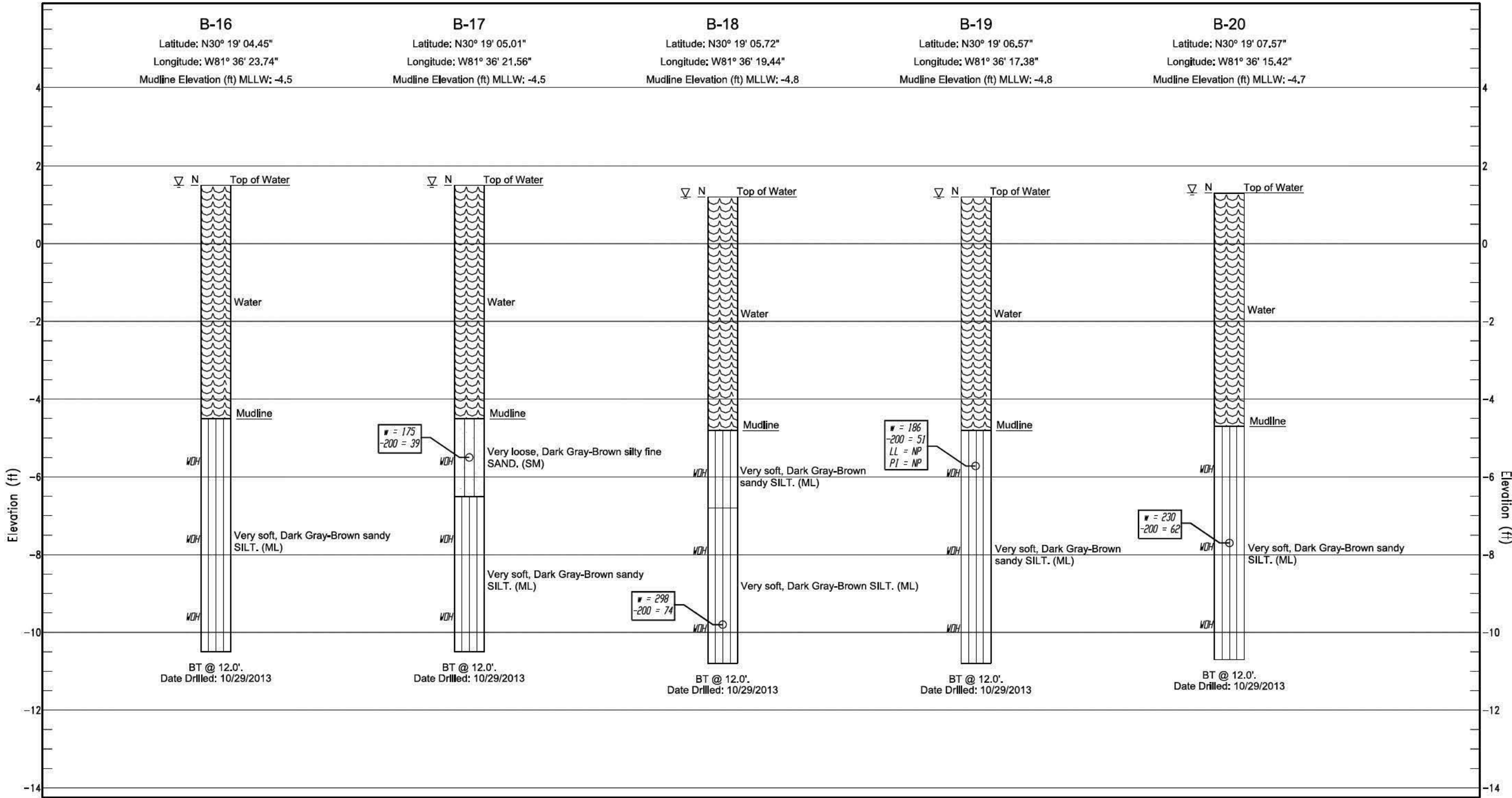


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ARLINGTON RIVER AND  
POTTSBURG CREEK  
DREDGING SOIL BORING PROFILES

SHEET  
NO.  
31



Legend



Water



Silt



Silty Fine Sand

N

Standard Penetration Resistance, Blows/Foot

BT

Boring Terminated at Depth Below River Water Surface

(SP)

Unified Soil Classification System

▽

Approximate water level elevation at Time of Drilling

w

Natural Moisture Content (%)

-200

% Passing No. 200 U.S. Standard Sieve

WOH Sampler advanced by weight of hammer

LL

Liquid Limit (%)

PI

Plasticity Index (%)

Note: Latitude and Longitude and Mudline elevation for each boring provided by Arc Surveying & Mapping, Inc.  
All elevations shown are referenced to Mean Lower Low Water (MLLW).

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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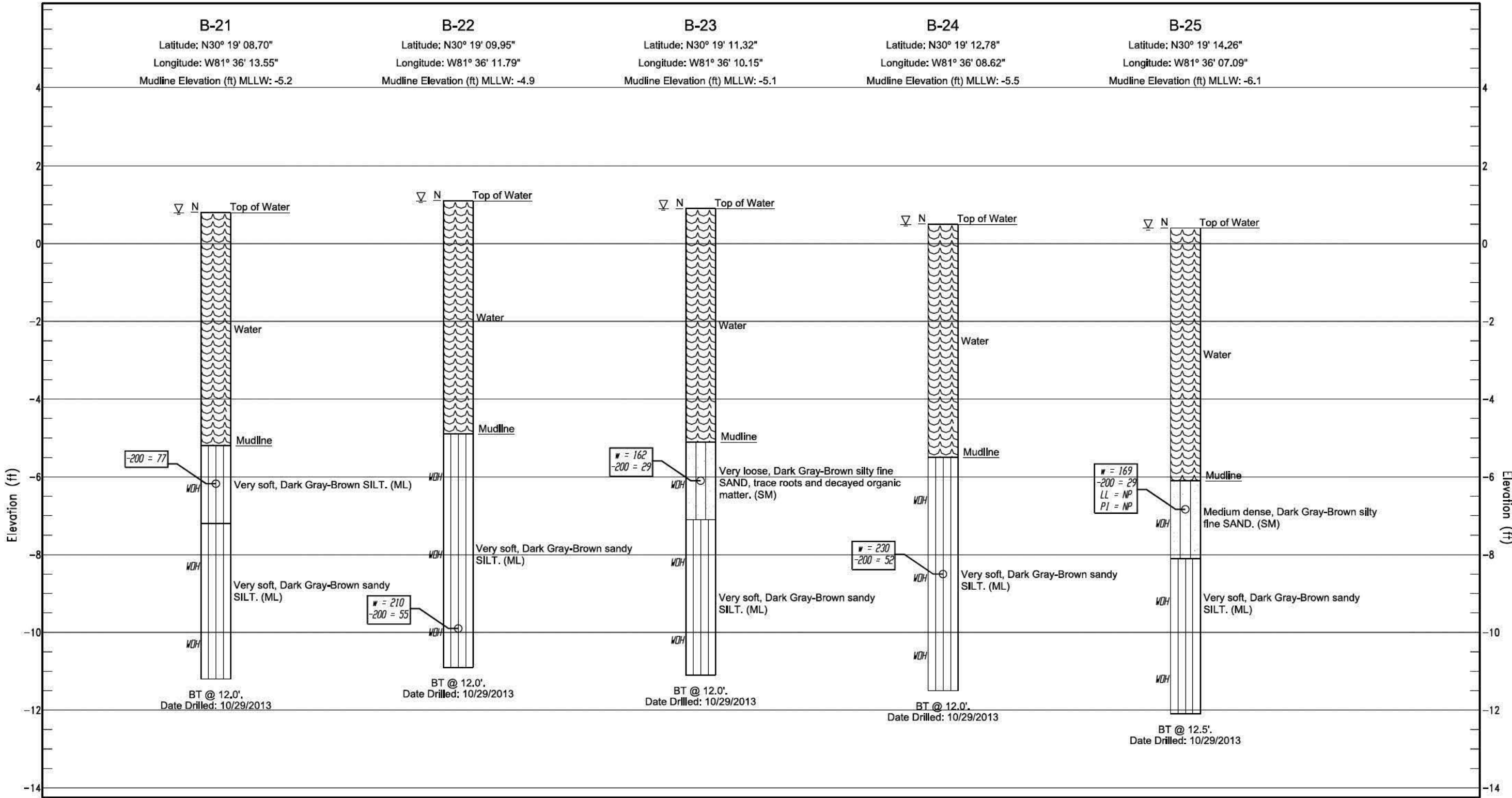
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ARLINGTON RIVER AND  
POTTSBURG CREEK  
DREDGING SOIL BORING PROFILES

SHEET  
NO.

32





Legend



Water



Silt



Silty Fine Sand

N

Standard Penetration Resistance, Blows/Foot

BT

Boring Terminated at Depth Below River Water Surface

(SP) Unified Soil Classification System

▽

Approximate water level elevation at Time of Drilling

w Natural Moisture Content (%)

LL Liquid Limit (%)

-200 % Passing No. 200 U.S. Standard Sieve

PI Plasticity Index (%)

WOH Sampler advanced by weight of hammer

Note: Latitude and Longitude and Mudline elevation for each boring provided by Arc Surveying & Mapping, Inc.  
All elevations shown are referenced to Mean Lower Low Water (MLLW).

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

P. RODNEY MANK, P.E. P.E. NO.: 41986

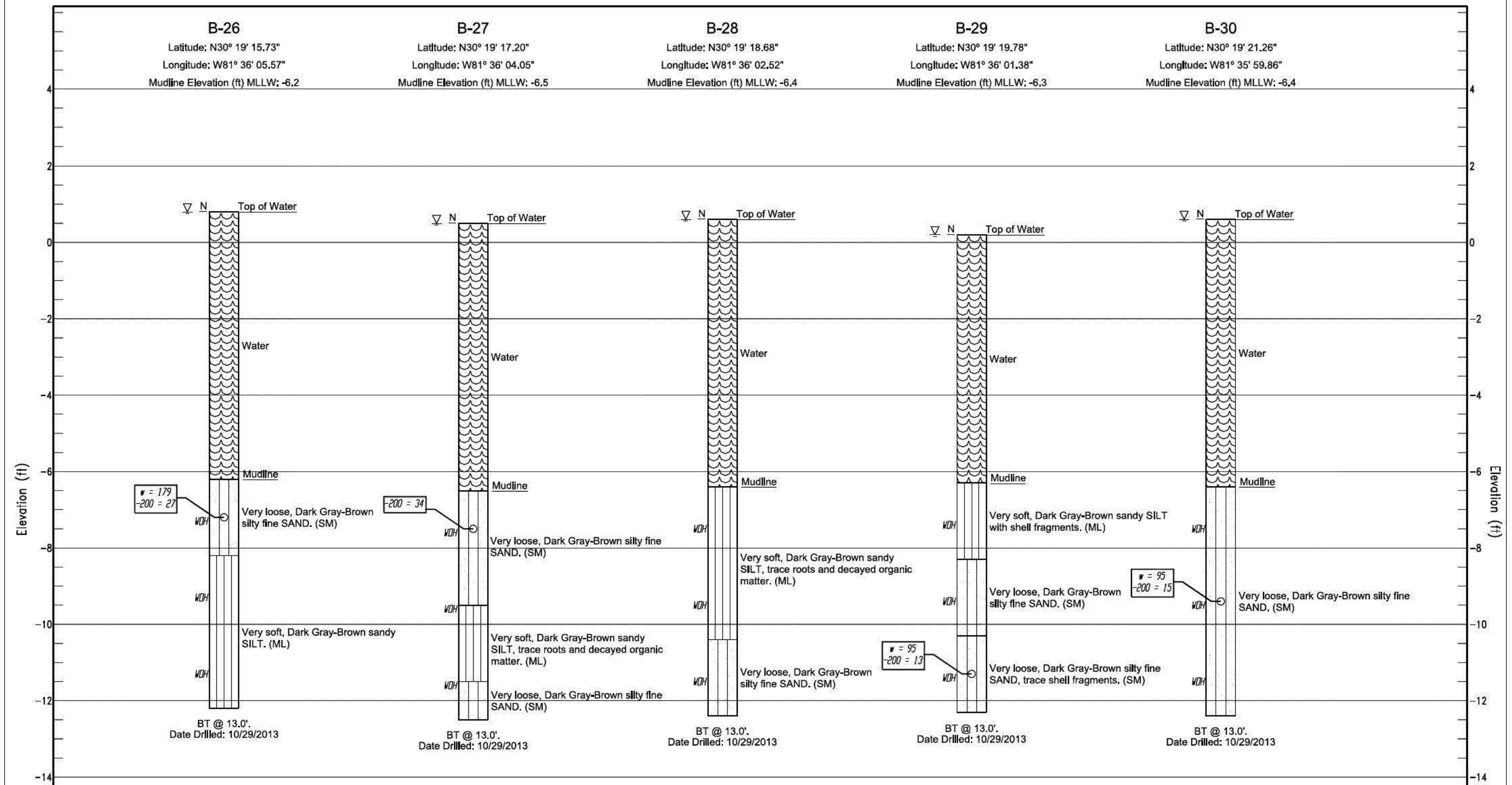
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ARLINGTON RIVER AND  
POTTSBURG CREEK  
DREDGING SOIL BORING PROFILES

SHEET  
NO.

33



Water



Silty Fine Sand



Silt

Legend

N Standard Penetration Resistance, Blows/Foot

BT Boring Terminated at Depth Below River Water Surface

(SP) Unified Soil Classification System

▽ Approximate water level elevation at Time of Drilling

w Natural Moisture Content (%)

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Note: Latitude and Longitude and Mudline elevation for each boring provided by Arc Surveying & Mapping, Inc.  
All elevations shown are referenced to Mean Lower Low Water (MLLW).

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**MAE**

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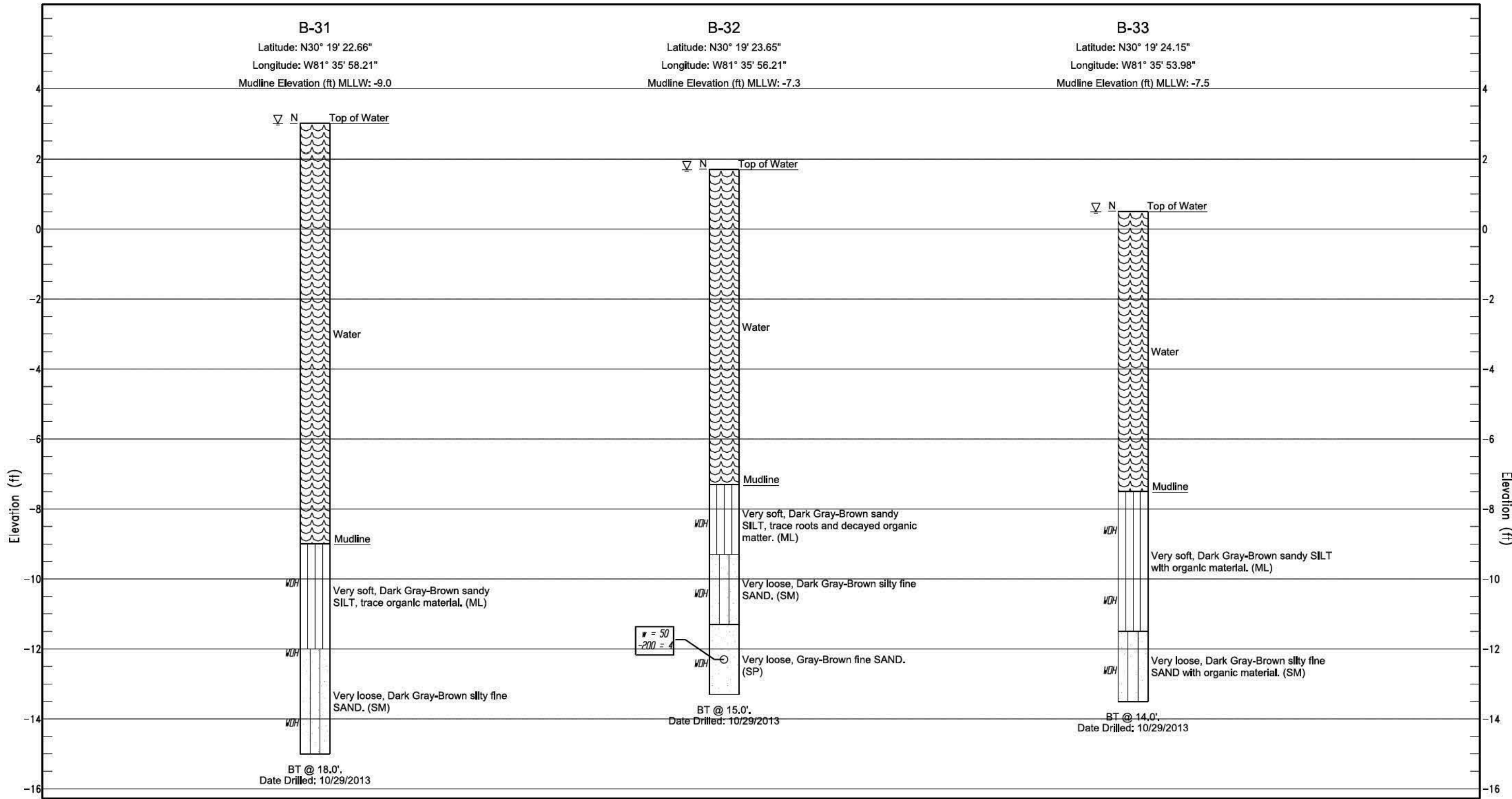
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ARLINGTON RIVER AND  
POTTSBURG CREEK  
DREDGING SOIL BORING PROFILES

SHEET  
NO.

34





Legend



Water



Silt



Silty Fine Sand



Fine Sand

N

Standard Penetration Resistance, Blows/Foot

BT

Boring Terminated at Depth Below River Water Surface

(SP)

Unified Soil Classification System

▽

Approximate water level elevation at Time of Drilling

w

Natural Moisture Content (%)

-200

% Passing No. 200 U.S. Standard Sieve

WOH

Sampler advanced by weight of hammer

Note: Latitude and Longitude and Mudline elevation for each boring provided by Arc Surveying & Mapping, Inc.  
All elevations shown are referenced to Mean Lower Low Water (MLLW).

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DATE	DESCRIPTION	DATE	DESCRIPTION				35